

FIG. 1

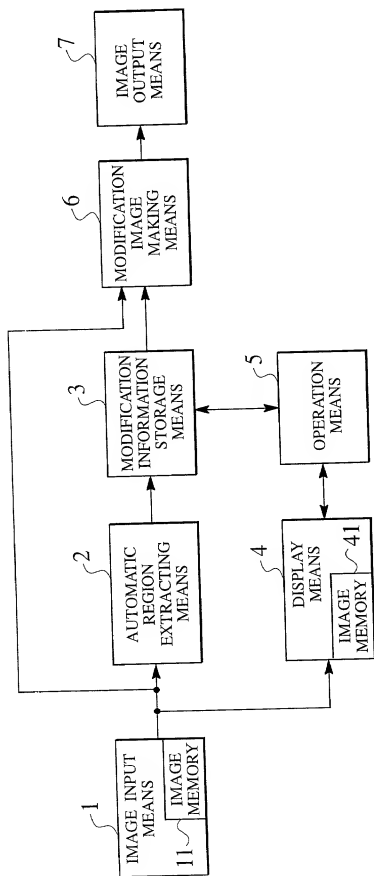


FIG. 2

AUTOMATIC REGION EXTRACTING MEANS 2

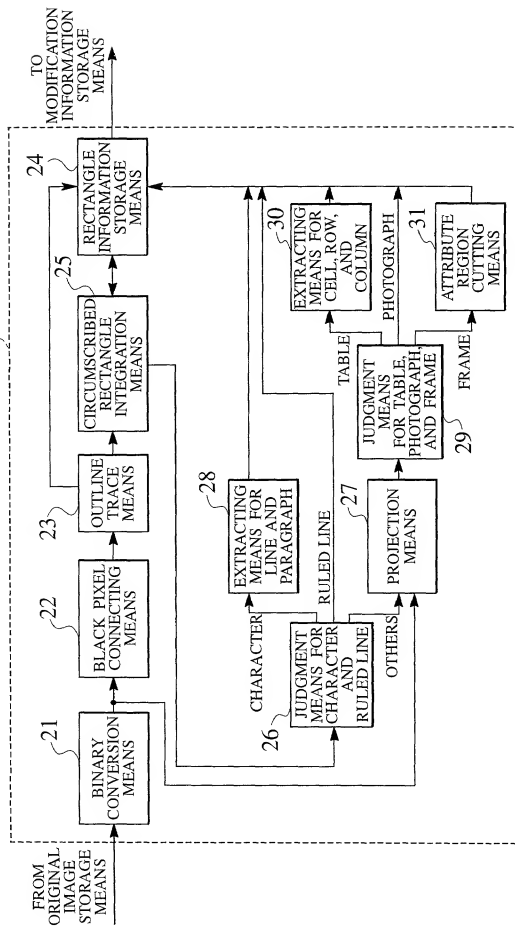
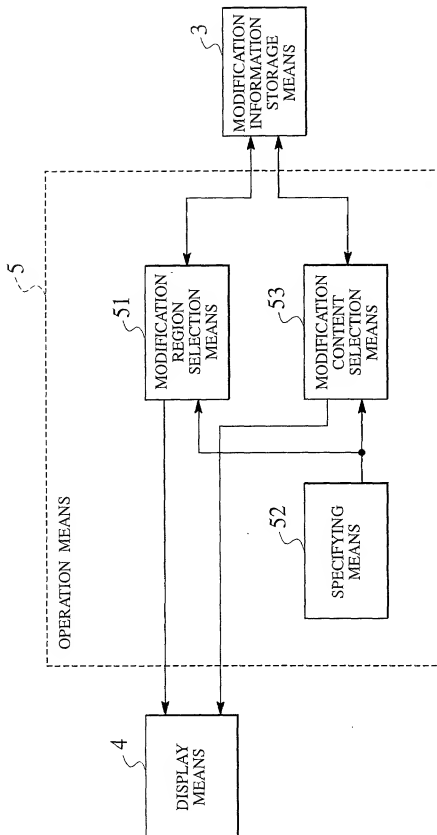


FIG. 3



RISO Lab.Times

5.30大運動会 Aチーム優勝！！

§ ソフトボール第二試合で強豪Cチームに打ち勝つ §

	Aチーム	Bチーム	Cチーム
ソフト1	----	----	----
ソフト2	----	----	----
キック1	----	----	----
キック2	----	----	----
----	----	----	----

◆◆◆ハイライト◆◆◆

FIG. 5

ORIGINAL IMAGE

スケッチ(手がき製版)する
左の写真は手がき製版しているところ
です。マスタブックを開くと、RGのマスタ
のような原紙が、台紙に軽く固定されて
います。これを外し、原紙と台紙の間にヤ

MAGNIFIED VIEW

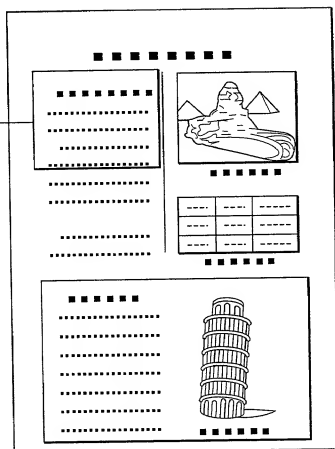


FIG. 6

BINARIZATION AND
CONTINUOUS WHITE PIXELS
DETECTION PROCESS

スケッチ(手がき製版)する
左の写真は手がき製版しているところ
です。マスターブックを開くと、RGのマス
のような原紙が、台紙に軽く固定されて
います。これを外し、原紙と台紙の間にヤ

MAGNIFIED VIEW

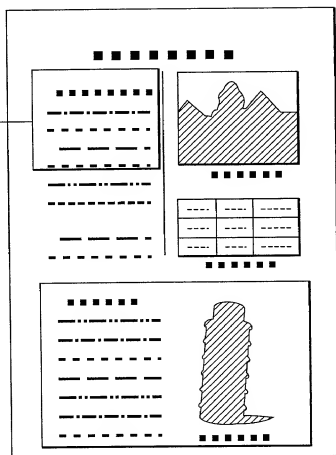


FIG. 7

OUTLINE DETECTION PROCESS

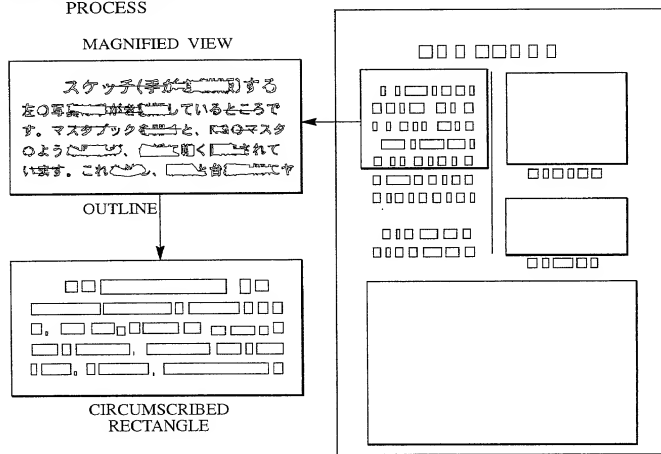
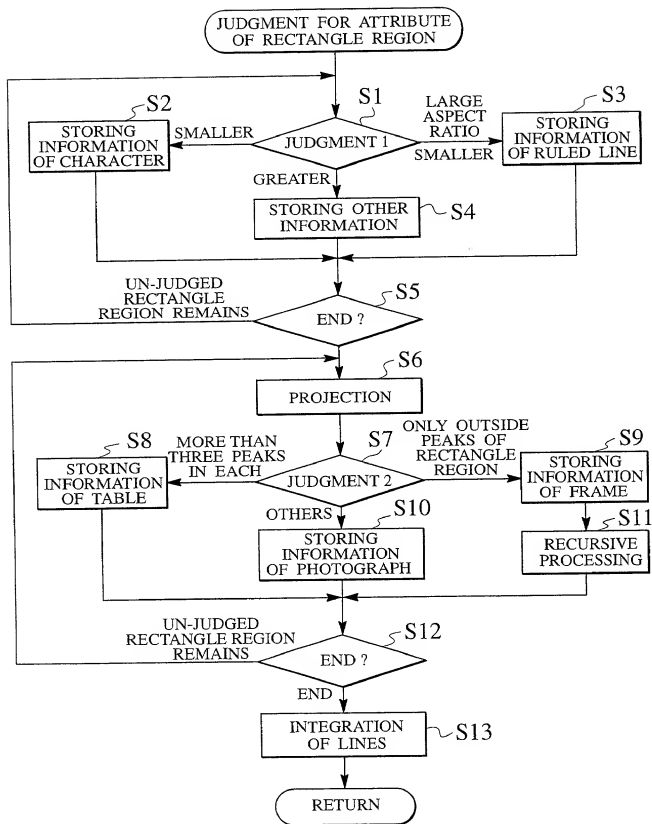


FIG. 8



9/24

FIG. 9

CONDITION	ATTRIBUTE
$H_s < T_k$ AND $W_s/H_s > Tr$ OR $W_s < T_k$ AND $H_s/W_s > Tr$	RULED LINE
WHEN DOES NOT SATISFY CONDITION OF RULED LINE AND $T_k \leq H_s < T_c$	CHARACTER
WHEN DOES NOT SATISFY ABOVE BOTH CONDITIONS	OTHERS

10/24

FIG. 10A

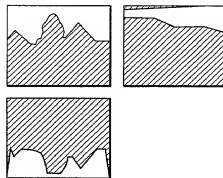


FIG. 10B

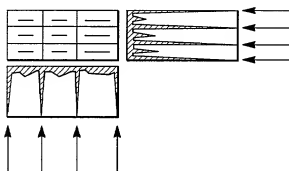
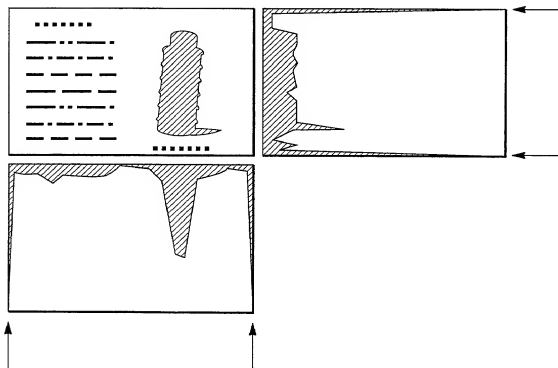


FIG. 10C



11/24

FIG. 11

CONDITION	ATTRIBUTE
IN BOTH VERTICAL AND HORIZONTAL DIRECTIONS THREE PEAKS	TABLE
IN BOTH VERTICAL AND HORIZONTAL DIRECTIONS TWO PEAKS	FRAME
DOES NOT SATISFY ABOVE BOTH CONDITIONS	PHOTOGRAPH

12/24

FIG. 12

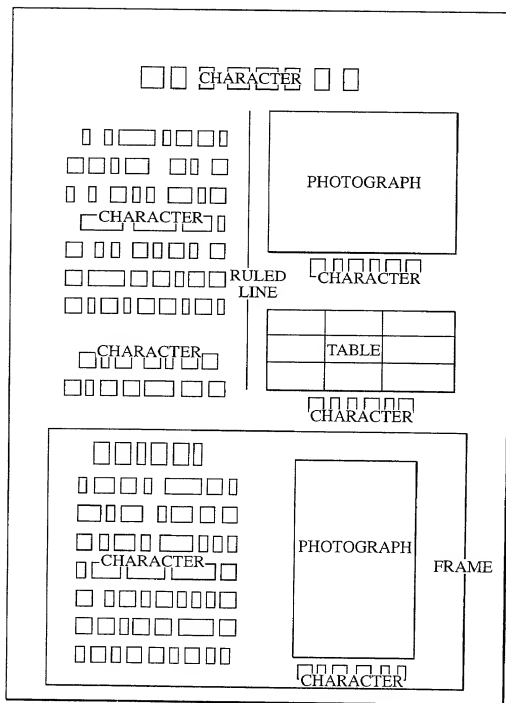


FIG. 13A

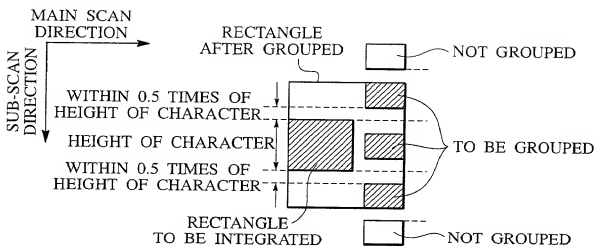


FIG. 13B

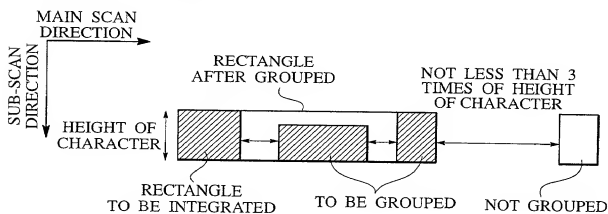


FIG. 13C

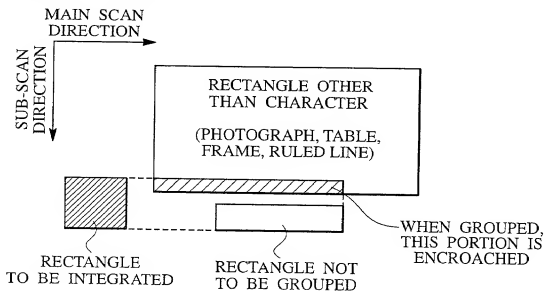


FIG. 15A

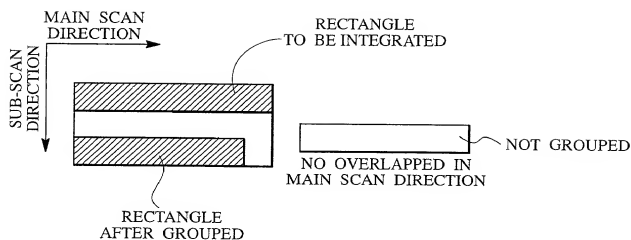


FIG. 15B

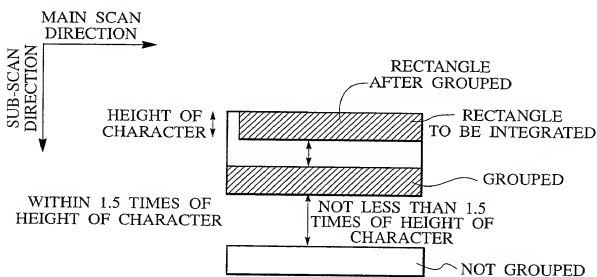


FIG. 16A

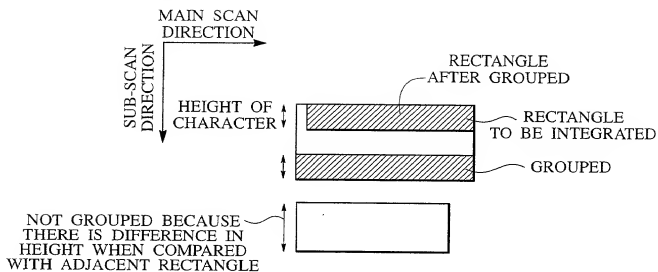


FIG. 16B

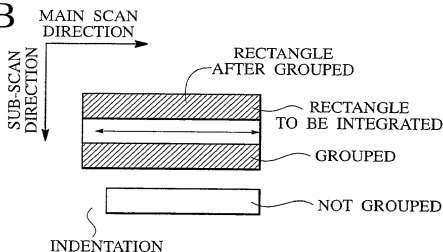
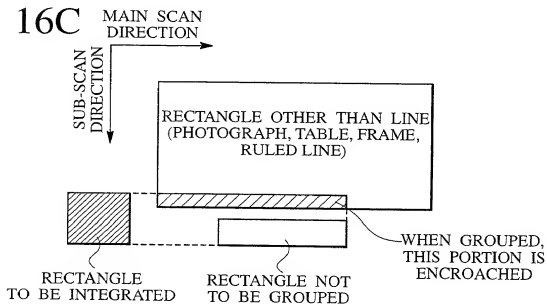
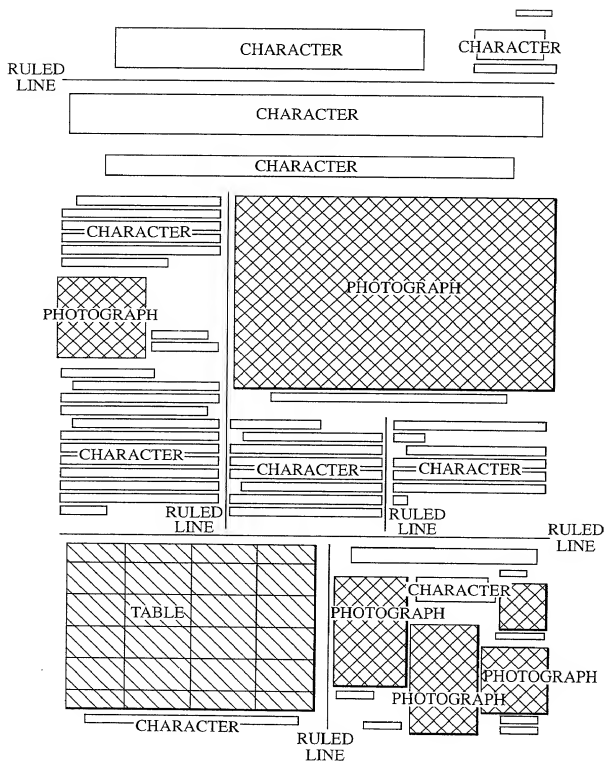


FIG. 16C

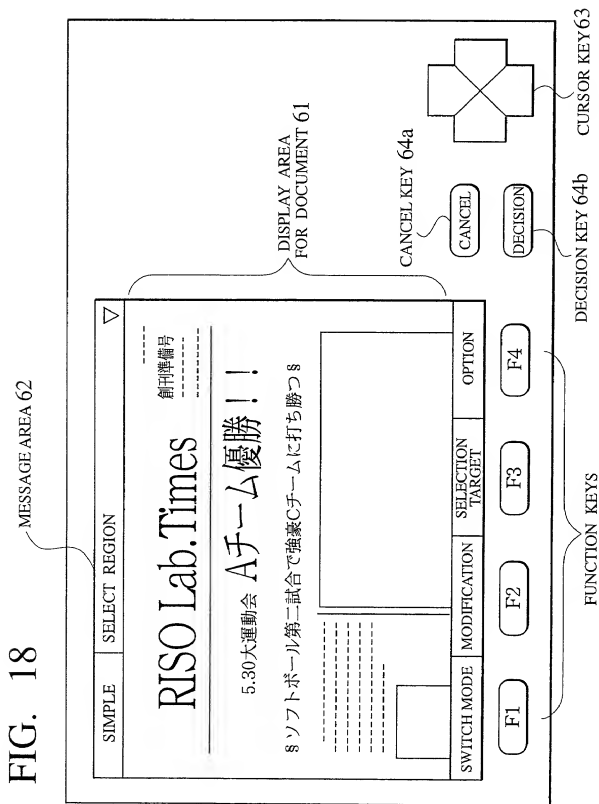


17/24

FIG. 17



RESULT OF REGION CUTTING



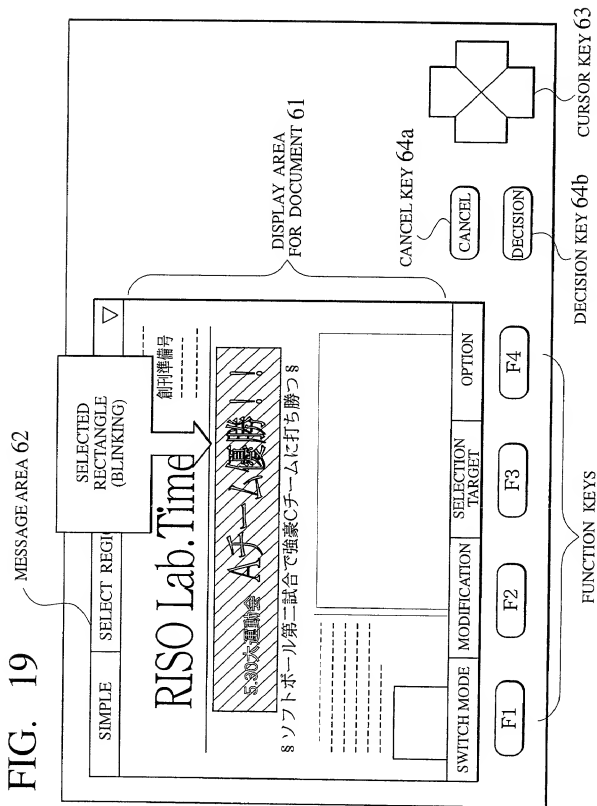


FIG. 20

MESSAGE AREA 62

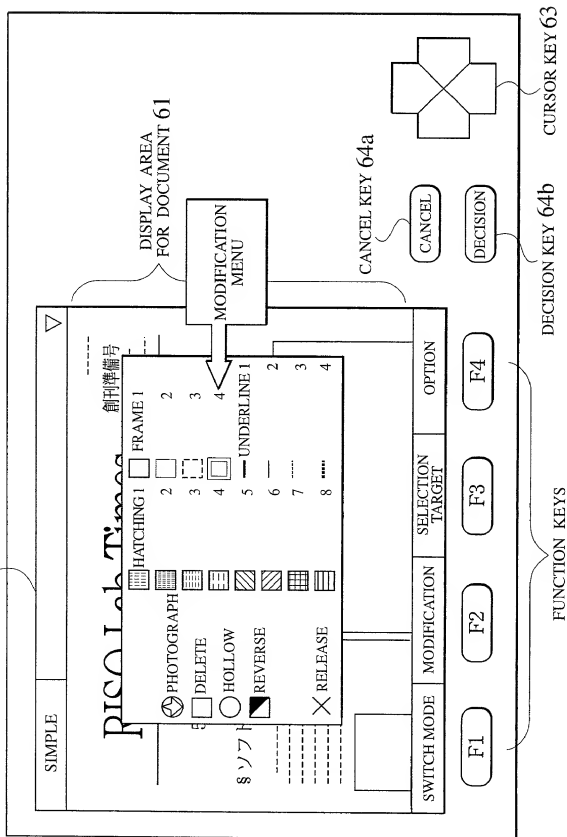


FIG. 21

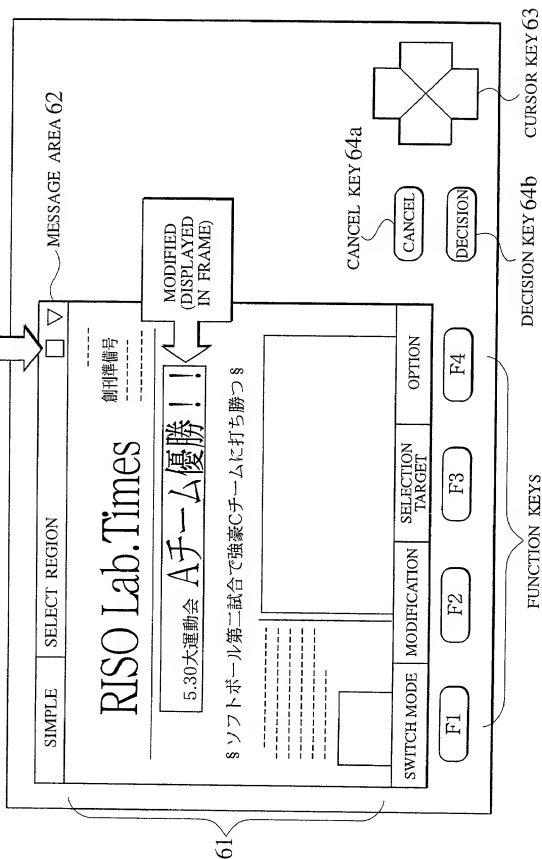


FIG. 22

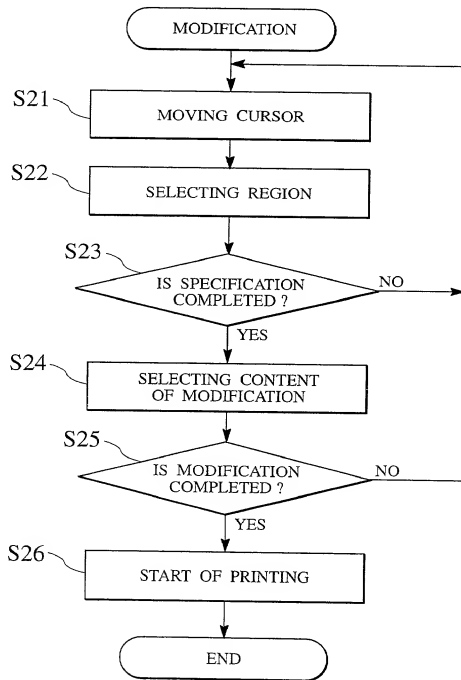


FIG. 23

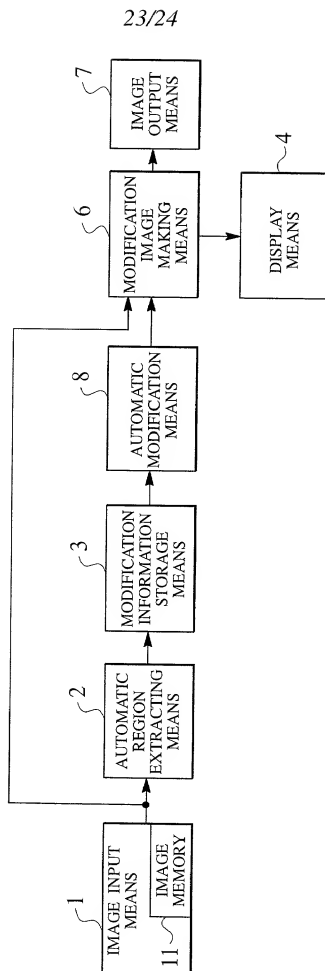


FIG. 24

POSITION OF RECTANGLE REGION	ATTRIBUTE	CONTENT OF MODIFICATION
TOPMOST LINE	HEADER	REVERSE
	ITEMS OF TABLE	SHADE